

Claim 11

the system which consists of four closed cylinders. The first one supplies water at normal temperature. the four cylinders are connected at the bottom by a pipe with valves. The last three cylinders contain a piston connected to a spring to the top of the cylinders. The constant of the spring and its displacement of spring 2 is higher than both spring 1 and spring 3. The constant of the spring and its displacement of spring 1 is between spring 2 and spring 3

The sum of the displacements of spring 1 and spring 3 must be less than the displacement of spring 2. And the sum of the spring constants of spring 1 and 3 must be less than the spring constant of spring 2. By action of valves, the first one opens, then the second opens then the third opens with all the rest closed. You end with oxygen and hydrogen at normal pressure.

Claim 11

The three cylinders can be repeated (three cylinders linked to another three cylinders, etc..) until we have a pressure at the last cylinder that will liquefy hydrogen (the liquefaction point of hydrogen is different from the liquefaction point of oxygen).

Claims 1,2,3,4,5 deleted (canceled)

Claims 11 new